PTO/SB/05 (03-01) Approved for use through 10/31/2002, OMB 0651-0032

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121

Continuation-in-part (CIP)

[Total Pages

UTILITY **PATENT APPLICATION** TRANSMITTAL

Attorney Docket No.		GSC 13,817-4	
		Norden E. Huang	
Title	Empirical Mode	Decomposition for Acoustical Signa	

(Only for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

Fee Transmittal Form (e.g., PTO/SB/17)

(preferred arrangement set forth below)

- Cross Reference to Related Applications

or a computer program listing appendix

- Brief Description of the Drawings (if filed)

Drawing(s) (35 U.S.C. 113) [Total Sheets

Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d))

DELETION OF INVENTOR(S)

named in the prior application, see 37 CFR

1.63(d)(2) and 1 33(b).

or in an Application Data Sheet under 37 CFR 1.76:

Customer Number or Bar Code Label

Application Data Sheet. See 37 CFR 1.76

Divisional

Examiner

Signed statement attached deleting inventor(s)

(for continuation/divisional with Box 18 completed)

- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,

(Submit an original and a duplicate for fee processing)

Applicant claims small entity status.

- Descriptive title of the invention

- Background of the Invention - Brief Summary of the Invention

- Abstract of the Disclosure

Detailed Description

- Claim(s)

5...Oath or Declaration

Continuation

Prior application information:

See 37 CFR 1,27.

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Express Mail Label No. Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission. (if applicable, all necessary) Computer Readable Form (CRF) b. Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or i i. 🗌 Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS Assignment Papers (cover sheet & document(s)) 9. 37 CFR 3.73(b) Statement Power of 10. (when there is an assignee) Attorney 11. English Translation Document (if applicable) Copies of IDS Information Disclosure 12. Citations Statement (IDS)/PTO-1449 13. Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) 15 Nonpublication Request under 35 U.S.C. 122 16. (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, 10, 011,206 of prior application No .: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below PATENT TRADEMARK OFFICE State Zip Code Telephone

Chan K. Park 48,175 Name (Print/Type) Registration No. (Attorney/Agent) Signature Date

Burden Hour Statement This form is estimated to take 0 2 hours to complete Time will vary depending upon the needs of the individual/case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO. Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

PTO/SB/17 (10-01)
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FEE TRANSMITTAL for FY 2002

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Filing Date	2/13/02
First Named Inventor	Norden E. Huang
Examiner Name	
Group Art Unit	
Attorney Docket No.	GSC 13 817-4

METHOD OF PAYMENT	FEE CALCULATION (continued)				
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Applicant claims small entity status	139 130 139 130 Non-English specification				
See 37 CFR 1 27	147 2,520 147 2,520 For filing a request for ex parte reexamination				
2. Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to				
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FEE CALCULATION	Examiner action				
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101 740 201 370 Utility filing fee 740.00	118 1,440 218 720 Extension for reply within fourth month				
106 330 206 165 Design filing fee	128 1,960 228 980 Extension for reply within fifth month				
107 510 207 255 Plant filing fee	119 320 219 160 Notice of Appeal				
108 740 208 370 Reissue filing fee	120 320 220 160 Filing a brief in support of an appeal				
114 160 214 80 Provisional filing fee	121 280 221 140 Request for oral hearing				
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2. EXTRA CLAIM FEES Fee from	141 1,280 241 640 Petition to revive - unintentional				
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Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)				
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection				
104 280 204 140 Multiple dependent claim, if not paid	(37 CFR § 1.129(a))				
109 84 209 42 ** Reissue independent claims over original patent	149 740 249 370 For each additional invention to be examined (37 CFR § 1.129(b))				
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)				
and over original patent	169 900 169 900 Request for expedited examination of a design application				
SUBTOTAL (2) (\$)	Other fee (specify)				
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SUBMITTED BY Complete (if applicable)			f applicable)	
Name (Print/Type)	Chan K Park	Registration No. (Attorney/Agent) 48,175	Telephone	301-286-7351
Signature	Ch Ch		Date	2/12/02

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IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Norden E. Huang

Serial No. :

Group:

Filed: Concurrently Herewith

Examiner:

For:

EMPIRICAL MODE DECOMPOSITION FOR ANALYZING ACOUSTICAL SIGNALS

LETTER TO THE OFFICIAL DRAFTSPERSON AND PETITION UNDER 37 C.F.R. § 1.84 REQUESTING ACCEPTANCE OF COLOR DRAWINGS

February 13, 2002

Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

Attached hereto are three sets of twenty seven (27) sheet(s) of color drawings which comply with the provisions of 37 C.F.R. § 1.84 (a) (2). The color figures are Figs. 6(a), 6(b), 6(c), 29, 33, 38, 47(a), 47(b), 48(a), 48(b), 49(a), 49(b), 50, 51(a), 51(b), 52(a), 52(b), 53(a), 53(b), 54(a), 54(b), 58(a), 58(b), 59(b), 62(a), 62(b), and 62(c). The drawings should be made a part of the record of the above-identified application.

Applicant respectfully petitions under 37 C.F.R. § 1.84 (a) (2) and requests that the Patent Office accept the accompanying color drawings as the official drawings in the present application. Color drawings are necessary because they are the only practical medium by which to disclose the subject matter sought to be patented. One of the inventive aspects disclosed and claimed in the above-identified application is generating color screen displays (e.g. color Hilbert spectrum displays). Such color screen displays permit an operator, such as a research scientist, to fully analyze a range of properties in the processed signal. Because some valuable information would be lost if black and white screen displays are utilized, color screen displays (as represented by the color drawings submitted herewith) are necessary as the only practical medium by which to disclose the subject matter sought to be patented.

Page 1 of the specification contains the Color Drawing Notification.

Applicant has included the appropriate petition fee of \$130.00, under 37 C.F.R. § 1.17 (h) and the petition under 37 C.F.R. § 1.84 (a) (2).

Please charge any fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 14-0116.

Respectfully submitted,

Chan K. Park

Req. No. 48,175

Office of Patent Counsel

NASA Goddard Space Flight Center

Greenbelt, MD 20771

(301) 286-7351